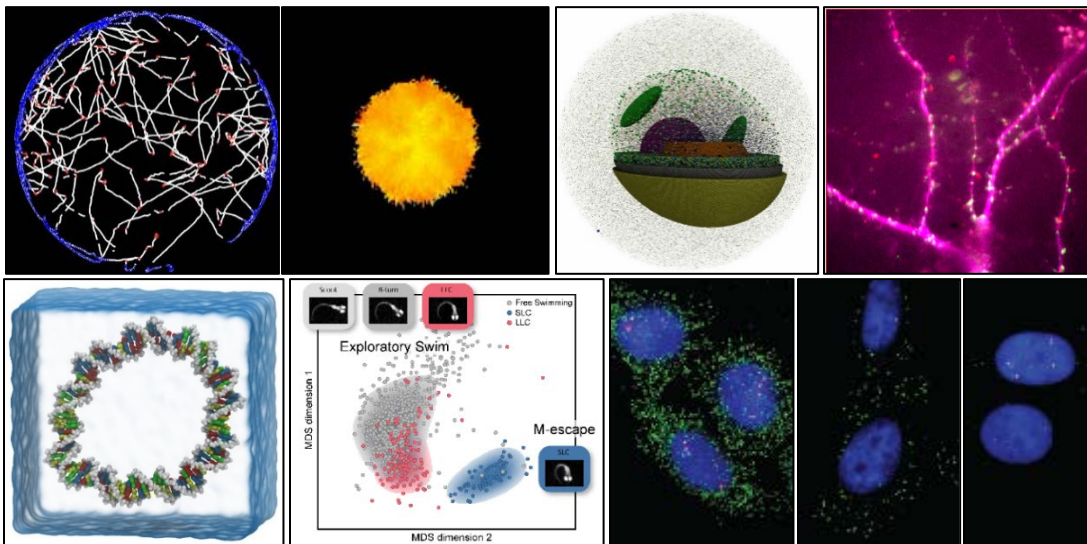


# 2017 CPLC SUMMER SCHOOL

## MULTISCALE APPROACHES TO QUANTIFYING AND MODELING THE LIVING CELL

Offered by the NSF Physics Frontiers Center for the Physics of Living Cells (CPLC)  
University of Illinois at Urbana-Champaign

July 16 – 22, 2017



The mission of the Center for the Physics of Living Cells at the University of Illinois is to create a quantitative, predictive, and physically-based description of living systems. The 2017 CPLC Summer School will offer multi-scale training in the latest experimental, computational, and theoretical biophysical approaches to six *Scientific Themes* on:

- Evolution of Chemotaxis
- Live Cell Imaging of Transcription
- Neurobiology
- Physics of DNA
- Quantitative Imaging and Cell Simulation of Small Regulatory RNA
- RNA Regulation in Eukaryotes

This summer school is designed for graduate students, postdoctoral fellows, and researchers in physics, biophysics, chemical and life sciences, and engineering who seek to expand their research skills into these areas. The workshop will comprise lectures and hands-on training in specific topics and tools.

To learn more and apply, please visit <http://cplc.illinois.edu/summerschool>

**Application Deadline: March 20, 2017**

*Selection and notification of participants by late April 2017*

*Registration Fee: \$100 students; \$175 postdocs; \$250 all others*

*Housing and all course materials will be provided.*

### PARTICIPATING FACULTY

**Alek Aksimentiev**

**Yann Chemla**

**Jingyi Fei**

**Martin Gruebele**

**Aaron Hoskins**

**Nigel Goldenfeld**

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**Anna Sokac**

**Jun Song**

**Kai Zhang**